# Table of Contents

Preface .................................................................................................................................................. xix

## Section 1
### Project Processes and Methodologies

**Chapter 1**  
Human Resource Related Problems in Agile and Traditional Software Project Process Models ........ 1  
*Stefan Koch, Bogazici University, Turkey*  
*Gerhard Turk, Vienna University of Economics and Business, Austria*

**Chapter 2**  
The Impact of Project Management Methodologies on Project Performance ................................. 14  
*Shai Rozenes, Afeka Tel Aviv Academic College of Engineering, Israel*

## Section 2
### Measuring Performance

**Chapter 3**  
Information Technology Project Outcomes: An Exploratory Study of Project Managers’ Viewpoints ......................................................................................................................................... 25  
*Muhammed A. Badamas, Morgan State University, USA*

**Chapter 4**  
Information Technology Project Performance: The Impact of Critical Success Factors .................. 39  
*Mary Lind, North Carolina A&T State University, USA*  
*Evetta Culler, High Point University, USA*

**Chapter 5**  
Performance Management in Software Engineering ............................................................................. 51  
*Markus Ilg, Vorarlberg University of Applied Sciences, Austria*  
*Alexander Baumeister, Saarland University, Germany*
Chapter 6
Software Engineering Productivity: Concepts, Issues and Challenges ........................................ 69
Adrián Hernández-López, Universidad Carlos III, Madrid, Spain
Ricardo Colomo-Palacios, Universidad Carlos III, Madrid, Spain
Ángel García-Crespo, Universidad Carlos III, Madrid, Spain
Fernando Cabezas-Isla, Universidad Carlos III, Madrid, Spain

Section 3
Outsourcing and Offshoring Project Work

Chapter 7
Information Systems Outsourcing in Large Companies: Evidences from 20 Ireland Companies ...... 81
Mark Leeney, Letterkenny Institute of Technology, Ireland
João Varajão, Centro Algoritmi and Universidade de Trás-os-Montes e Alto Douro (UTAD), Portugal
António Trigo Ribeiro, Instituto Superior de Contabilidade e Administração
de Coimbra (ISCAC), Portugal
Ricardo Colomo-Palacios, Universidad Carlos III de Madrid, Spain

Chapter 8
Stakeholder Challenges in Information Systems Project Offshoring: Client and Vendor Perspectives .......................................................................................................................... 96
Peter Haried, University of Wisconsin-La Crosse, USA

Chapter 9
IT Offshoring: Trust Views from Client and Vendor Perspectives ........................................................ 113
Hajer Kefi, Paris Descartes University, France
Alya Mlaiki, EM Strasbourg Business School, France
Richard Peterson, Montclair State University, USA

Section 4
Challenges and New Perspectives

Chapter 10
Multicultural Software Development: The Productivity Perspective .............................................. 132
Heli Aramo-Immonen, Tampere Technical University, Finland
Hanna Jaakkola, Tampere Technical University, Finland
Harri Keto, Tampere Technical University, Finland
Chapter 11
Global IT Project Management Using Web 2.0 ................................................................. 150
Behnaz Gholami, Multimedia University, Malaysia
San Murugesan, University of Western Sydney, Australia

Chapter 12
Scheduling Large and Complex IT Projects Using Sliding-Frame Approach ....................... 173
Yuval Cohen, Open University and Afeka Academic College, Israel
Arik Sadeh, Holon Institute of Technology, Israel
Ofer Zwikael, Australian National University, Australia

Section 5
Special Environments and Sectors

Chapter 13
Construction Briefing Process in Malaysia: Procedures and Problems in the Public Sector .......... 187
Mastura Jaafar, Universiti Sains Malaysia, Malaysia
Arkin Kong Chung King, Universiti Sains Malaysia, Malaysia

Chapter 14
The Relationship between Information Technology Adoption and Job Satisfaction in the Jordanian Construction Industry ................................................................. 199
Rateb Sweis, University of Jordan, Jordan
Ghaleb Sweis, University of Jordan, Jordan
Ghalia Attar, University of Jordan, Jordan
Ayman Abu Hammad, Zarqa University, Jordan

Chapter 15
Snapshot of Personnel Productivity Assessment in Indian IT Industry .................................... 220
Thamaraiselvan Natarajan, NITT-National Institute of Technology Tiruchirappalli, India
Saraswathy R. Aravinda Rajah, NITT-National Institute of Technology Tiruchirappalli, India
Sivagnanasundaram Manikavasagam, NITT-National Institute of Technology Tiruchirappalli, India

Chapter 16
Project Commitment in the Context of Information Security .................................................. 235
Ioannis Koskosas, University of Western Macedonia, Greece
Nikolaos Sariannidis, Technological Education Institute of Western Macedonia, Greece

Chapter 17
A Single-Objective Recovery Phase Model ........................................................................... 249
Sandy Mehlhorn, University of Tennessee at Martin, USA
Michael Racer, University of Memphis, USA
Stephanie Ivey, University of Memphis, USA
Martin Lipinski, University of Memphis, USA